

CLAIMS

What is claimed is:

1. A system for rearranging the layout of a business card, comprising:
 - 5 a boundary obtaining module for obtaining a boundary for a plurality of items selected by a user;
 - a first sorting module for sorting the items along a first direction to obtain a first-direction-sorted data; and
 - a first adjusting module for removing a no-text-content item from the first-direction-sorted data and adjusting the positions of the remaining items along the first direction to rearrange the items within the boundary according to a request from the user.
- 10 2. The system according to claim 1, wherein the boundary obtaining module, the first sorting module and the first adjusting module are macro language program modules in an image processing software.
- 15 3. The system according to claim 1, wherein the first-direction-sorted data are stored in an array.
4. The system according to claim 1, further comprising:
 - 20 a second sorting module for sorting the items along a second direction not parallel to the first direction to obtain second-direction-sorted data; and
 - a second adjusting module for removing the no-text-content item from the second-direction-sorted data and adjusting the positions of the remaining items along the second direction.
- 25 5. The system according to claim 4, wherein the second sorting module and the second adjusting module are macro language program modules in an image processing software.

6. The system according to claim 4, wherein the second direction is perpendicular to the first direction.
7. The system according to claim 4, wherein the first-direction-sorted data and the second-direction-sorted data are stored in a 2D array.
- 5 8. The system according to claim 1, wherein the request is evenly spreading the items within the boundary.
9. The system according to claim 1, wherein the request is aligning the items to the top of the boundary.
- 10 10. A method for rearranging the layout of a business card, comprising:
 - obtaining a boundary of a plurality of items selected by a user;
 - sorting the items along a first direction to obtain first-direction-sorted data;
 - removing a no-text-content item from the first-direction-sorted data; and
 - 15 adjusting the positions of the remaining items along the first direction to rearrange the items within the boundary according to a request from the user.
11. The method according to claim 10, wherein the obtaining, sorting, 20 removing and adjusting are accomplished by macro language program modules in an image processing software.
12. The method according to claim 10, wherein the first-direction-sorted data are stored in an array.
13. The method according to claim 10, further comprising:
 - 25 sorting the items along a second direction not parallel to the first direction to obtain second-direction-sorted data; and

removing the no-text-content item from the second-direction-sorted data and adjusting the positions of the remaining items along the second direction.

14. The method according to claim 13, wherein the sorting of the items
5 along of the second direction and the removing of the no-text-content item from the second-direction-sorted data are accomplished by macro language program modules in an image processing software.
15. The method according to claim 13, wherein the second direction is
10 perpendicular to the first direction.
16. The method according to claim 13, wherein the first-direction-sorted data and the second-direction-sorted data are stored in a 2D array.
17. The method according to claim 10, wherein the request is evenly
15 spreading the items within the boundary.
18. The method according to claim 10, wherein the request is aligning the items to the top of the boundary.
19. A computer-readable storage medium having instructions recorded
20 thereon to direct a computer to execute a method for rearranging the layout of a business card, the method comprising:
- obtaining a boundary of the data selected by a user, the data comprising a plurality of items;
- sorting the items along a first direction to obtain first-direction-sorted data;
- 25 removing a no-text-content item from the first-direction-sorted data; and
- adjusting the positions of the remaining items along the first direction to rearrange the items within the boundary according

to a request from the user.

20. The computer-readable storage medium according to claim 19,
wherein the instructions recorded on the storage medium are macro
language program modules in an image processing software.
- 5 21. The computer-readable storage medium according to claim 19,
wherein the first-direction-sorted data are stored in an array.
22. The computer-readable storage medium according to claim 19,
wherein the method further comprises:
- 10 sorting the items along a second direction not parallel to the
first direction to obtain second-direction-sorted data; and
- removing the no-text-content item from the
second-direction-sorted data and adjusting the positions of the
remaining items along the second direction.
- 15 23. The computer-readable storage medium according to claim 22,
wherein the sorting of the items along the second direction and the
removing of the no-text-content item from the
second-direction-sorted data are accomplished by macro language
program modules in an image processing software.
24. The computer-readable storage medium according to claim 22,
20 wherein the second direction is perpendicular to the first direction.
25. The computer-readable storage medium according to claim 22,
wherein the first-direction-sorted data and the
second-direction-sorted data are stored in a 2D array.
- 25 26. The computer-readable storage medium according to claim 19,
wherein the request is evenly spreading the items within the
boundary.
27. The computer-readable storage medium according to claim 19,
wherein the request is aligning the items to the top of the

boundary.

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